

6.2.5 2006 Impacts of Saving an Electric Quad (1)

<u>Plant Fuel Type</u>	<u>Utility Fuel Input Shares (%)</u>	<u>Average-Sized Utility Unit (MW) in 2006</u>	<u>Aggregate Number of Units to Provide the Fuel's Share of the Electric Quad (2)</u>
Natural Gas	16%	81	138
Petroleum	2%	17	94
Coal	52%	225	38
Nuclear	21%	1,015	3
<u>Renewable (3)</u>	<u>9%</u>	<u>21</u>	<u>154</u>
Total	100%		427

Note(s): 1) This table displays the breakdown of electric power plants that could be eliminated by saving an electric quad, in exact proportion to the actual primary fuel shares for electricity produced nationwide in 2006. Use this table to estimate the avoided capacity implied by saving one electric quad. 2) Based on typical U.S. power plants operating less than full load throughout the year. 3) Includes pumped storage.

Source(s): EIA, Electric Power Annual 2006, Oct. 2007, Table 2.2, p. 24; and EIA, Annual Energy Outlook 2008, Mar. 2008, Table A2, p. 117-119 for consumption and Table A8, p. 131-132 for electricity supply.